

**POLYMER COLLOID-CONTAINING INK-JET INKS
FOR PRINTING ON NON-POROUS SUBSTRATES**

ABSTRACT OF THE DISCLOSURE

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The present invention is drawn toward an ink-jet ink, comprising an aqueous liquid vehicle having acid-functionalized polymer colloid particulates and polymer-attached pigment colorants dispersed in the liquid vehicle. The liquid vehicle can include at least one volatile co-solvent, each volatile co-
10 solvent present having a boiling point at or below about 285°C. The total amount of volatile co-solvent present in the ink-jet ink can be from 5 wt% to 50 wt%. These ink-jet inks can be printed on traditional as well as non-porous substrates. Optionally, heat can be applied to an image printed with the ink-jet ink to drive off at least a portion of the volatile co-solvent(s).